

2/5/1

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Related WPI Acc No: 1999-208835

XRAM Acc No: C99-064263

Cerebral function improving agents - contain saponin compounds obtainable  
from *Polygala tenuifolia* Willd. and *Polygala senega* L., stimulate  
production of nerve growth factor

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Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No   | Kind | Date     | Applicat No | Kind | Date     | Week     |
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| JP 11043440 | A    | 19990216 | JP 97202718 | A    | 19970729 | 199919 B |

Priority Applications (No Type Date): JP 97202718 A 19970729

Patent Details:

| Patent No   | Kind | Lang | Pg | Main IPC     | Filing Notes |
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| JP 11043440 | A    |      | 13 | A61K-031/705 |              |

Abstract (Basic): JP 11043440 A

Cerebral function improving agents contain at least 2 or more  
effective ingredients of formula (I)-(V), particularly prepared from  
*Polygala tenuifolia* Willd. and *Polygala senega* L. For (I): T = a group  
of formula (i); R = a group of formula (a); R1 = a group of formula  
(b); and R2 = a group of formula (c); for (II): T = group (i); R =  
group (a); R1 = group (b); and R2 = H; for (III): T = group (i); R = a  
group of formula (d); and R1 = R2 = H; for (IV): T = a group of formula  
(ii); R = group (d); R1 = a group of formula (e); and for (V): T =  
group (ii); R = group (d); and R1 = H.

USE - The compounds stimulate production of nerve growth factor  
(NGF) and are expected to be useful for treating Alzheimer's disease  
and senile dementia.

Dwg.0/4

Title Terms: CEREBRAL; FUNCTION; IMPROVE; AGENT; CONTAIN; SAPONIN; COMPOUND  
; OBTAIN; SENEGA; STIMULATING; PRODUCE; NERVE; GROWTH; FACTOR

Derwent Class: B03

International Patent Class (Main): A61K-031/705

International Patent Class (Additional): A61K-035/78; C07H-015/256

File Segment: CPI